Use Attainability Analysis

for

WBID 1437 Lindley Creek

Submitted by SES, Inc.

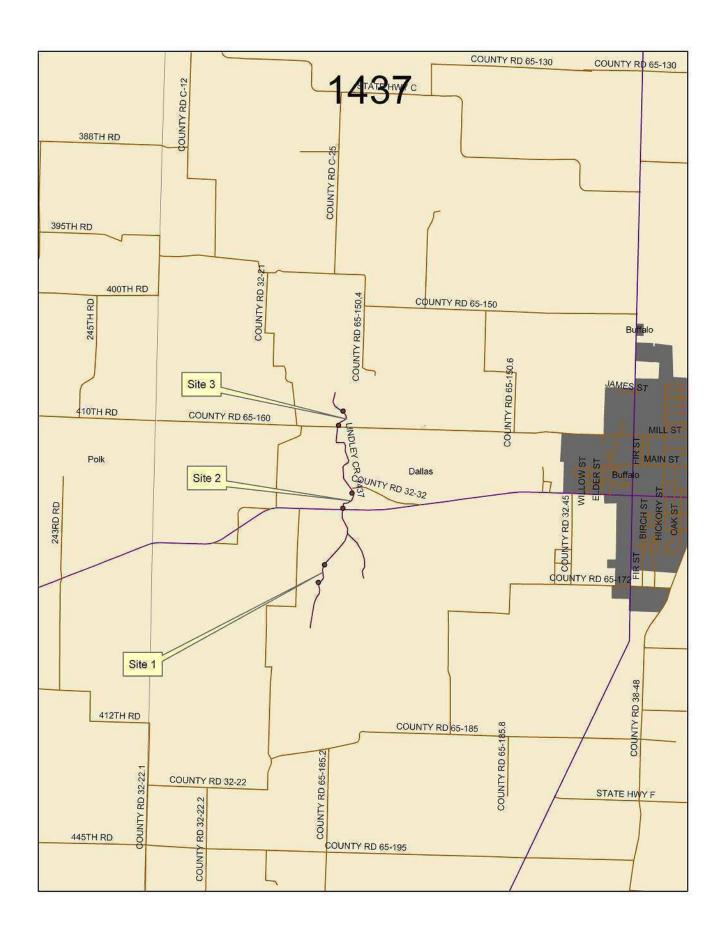
To Missouri Department of Natural Resources Water Protection Program

Date Received: October 26, 2007

Field Data Sheets for Recreation Use Stream Surveys

Data Sheet A - Water Body Identification

I. Water Body Information (For water body be	eing surveyed	1)
Water Body Name (from USGS 7.5' quad):		
Lindley Creek		
Missouri Water Body Identification (WBID) Number:		
1437		
8 digit HUC code:	County:	
10290107	Dallas	
Upstream Legal Description (from Table H):		
T34N R20W 32		
Downstream Legal Description (from Table H):		
T34N R20W 20		
Number of sites evaluated:		
3		
List all site numbers, listed consequently upstream to	downstream:	
1,2,3		
Site Locations Map(s): Attach a map of the entire se	egment with a	ssessment sites clearly labeled.
Mark any other items that may be of interest.		
II. Facility Information (list all permitted discharges to	to the water b	ody segment)
Facility Name(s) and Permit Number(s):		
Shady Lane MHP		
MO 0125717		
III. UAA Surveyor (please print legibly)		
Name of Surveyor:	Telephon	ne Number:
Aaron Ball	(913)307	
Organization/Employer:	(0.0)001	
SES, Inc.		
,•		
Please verify that you have completed all sections	s, checked al	I applicable boxes, and that the form is
complete.	-, -: ui	. appcame weree, and that the ferm to
ospioto.		



WBID#	1437
Site #	1

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time:		10/12/07	11:00	Site Location Description (e.g. road crossing):				
Personnel:		Aaron Ball, Drew D	odson		Off CR 32	222		
Current Weat	her Cond	ditions: clear		Facility Nar	me:	Shady Lane I	MHP	
Weather cond	litions fo	r the past 10 days:	0.47 inches	Permit Nun	nber:	MO 0125717		
Drought cond	itions?: I	No drought ☑ ; Pha	se I □ ; Phase	· II □ ; Phas	e <mark>III □ ; Pl</mark>	nase IV □ ; Ur	nknown 🗆	
Site Location	n:							
		(Universal Transver	se Mercator Pi	rojection, In	Meters			
Site 01	Easting	ı (UTM X):	Northing (UTN	М Y):		Horizontal Ac	ccuracy: Meters	
	048663	34	4164783				5.7	
Site 11	Easting	ı (UTM X):	Northing (UTN	И <u>Y</u>):		Horizontal Ac	ccuracy: Meters	
	048671	7	4165016				4.5	
Photos:	1		T	Т		1	T	
Photo ID#	F	Photo Purpose	Photo ID#:	Photo F	Photo Purpose		Photo Purpose	
94	Upstrea	am	95	Downstrea	m			
Photo ID#	F	Photo Purpose	Photo ID#	Photo F	Purpose	Photo ID#	Photo Purpose	
				<u> </u>				
Photo ID#	F	Photo Purpose	Photo ID#	Photo F	Purpose	Photo ID#	Photo Purpose	
Uses Observ	ed:						<u> </u>	
☐ Swimming	1	☐ Skin diving	☐ SCUBA di	iving	☐ Tubin	g	☐ Water Skiing	
☐ Wind surfi	ng	☐ Kayaking	☐ Boating		□ Wadir	ng	□ Rafting	
☐ Hunting		☐ Trapping	☐ Fishing		✓ None	of the above	☐ Other:	
Describe:			<u> </u>					

WBID # 1437 Site # 1	- -										
	Field Data Sheets	for Recreational Use Stream	Surveys								
Data Sheet B- Site Characterization (Continued)											
Surrounding Conditi	ons:										
☐ City/County parks	☐ playgrounds	☐ MDC conservation lands	□ Urban areas	☑ Rural Residential							
☐ Campgrounds	□ State parks	□ National Forests	☐ Nature trails	☐ Stairs/walkways							
□ Boating accesses	☐ Fence	☐ No tresspass sign	☐ Steep Slopes	☐ Other:							
Evidence of Human	Use:										
☐ Roads	☐ Foot path/prints	☐ Dock/platform	☐ Camping Sites	☐ Rope swings							
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	☑ Livestock watering							
comments/other:		•									
Substrate:											
% Cobble	% Gravel	% Sand % Silt	% Mud/0	Clay % Bedrock							

Aquatic Vegatation:

40

30

7 tquatio Togutationi			
20% algae on bottom.			

30

Water Characteristics:

Odor:	□ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:
Color:		□Green	☐ Gray	☐ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	☐ Solids		□ None	☐ Other:
Surface Deposit:	□ Oil	☐ Scum	□ Foam	⊠None	☐ Other:

WBID # 1437 Site # 1

Organization: SES, Inc.

Field Data Sheets for Recreational Use Stream Survey:

Data Sheet B - Site Characterization (continued

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

	Distance from	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)
	access location (m)				
			l		
omments: (Please re	cord any additional comments	here.)			
one	,	/			
	ou have completed all s	ections, checke	ed all applicable	boxes, and that the	form i:
	ou have completed all s	ections, checke	ed all applicable	boxes, and that the	form is
	ou have completed all s	ections, checke	ed all applicable	boxes, and that the	form is
lease verify that yo omplete.	ou have completed all s	ections, checke	ed all applicable	boxes, and that the	form is
		ections, checke		boxes, and that the	form is

Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys **Data Sheet C - Field Survey Results**

																		Disso	Ived Ox	ygen		
	Waterbo	ody ID:	1437		•	Site #:	1		•	Lindley	Creek					D /				m.		
	Estimate	ed Chann	nel Incisi	on:	2.0	(m) (hei	oht hetw	een low h	ank wid	th and w	ater)					Date:			D.O. m	Time:		
	Estimated Channel Incision: 2.0 (m) (height between low bank width and water)										Di	issolved	Oxygen:			(mg/L)						
								izontal Ac	•													
		UTM X		0486634	4		UTM Y:		416478			+/-	5.7 4.5	(meters)		Di	issolved	Oxygen:			(% sat)	
	11	UTM X	:	0486/1	/	-	UIM Y:		416501	б	-	+/-	4.5	(meters)			Specit	fic Cond:			(µS/cm)	
	Average	Stream	Width:				5	(meters)	L	ength of	Survey S	Segment:		150	(meters)		Бреен	ii cona.			(μο/ •111)	
	(To dete	rmne Le	ength of F	Reach)					(2	20x avera	ige strear	n width)				Wa	ter Tem	perature:			(°C)	
	Fiel	d Staff				Aaron F	Rall Drev	w Dodson														
	1 101	a Starr.				7 taron L	Juli, Die	W Dodson						•								
			•		•					Tra	nsect C	ross-Se	ction									
	0	1	0	2	0)3		04	()5	0	6	(07	08	8	(09	1	0	11	1
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.5	0.10	0.5	0.20	0.2	0.05	0.5	0.10	0.3	0.05	0.3	0.10	0.4	0.10	0.6	0.20	0.6	0.15	0.9	0.25	0.8	0.05
																			1.8			
2	1.0														1.2			0.10			1.6	0.10
3	1.5	0.20	1.5	0.50	0.6	0.10	1.5	0.15	0.9	0.05	0.9	0.20	1.2	0.05	1.8	0.35	1.8	0.05	2.7	0.70	2.4	0.20
4	2.0	0.30	2.0	0.60	0.8	0.05	2.0	0.25	1.2	0.05	1.2	0.20	1.6	0.05	2.4	0.40	2.4	0.15	3.6	0.75	3.2	0.20
5	2.5	0.25	2.5	0.50	1.0	0.05	2.5	0.20	1.5	0.05	1.5	0.20	2.0	0.10	3.0	0.35	3	0.50	4.5	0.75	4.0	0.25
6	3.0	0.30	3.0	0.45	1.2	0.10	3.0	0.10	1.8	0.05	1.8	0.20	2.4	0.05	3.6	0.35	3.6	0.55	5.4	0.75	4.8	0.35
7	3.5	0.20	3.5	0.40	1.4	0.15	3.5	0.20	2.1	0.05	2.1			0.10	4.2			0.55	6.3		5.6	0.50
,																						
8	4.0	0.20													4.8			0.50			6.4	0.55
9	4.5	0.15	4.5	0.30	1.8	0.10	4.5	0.10	2.7	0.05	2.7	0.15	3.6	0.10	5.4	0.15	5.4	0.30	8.1	0.50	7.2	0.55
Right Bank	5.0	0.00	5.0	0.00	2.0	0.00	5.0	0.00	3.0	0.00	3.0	0.00	4.0	0.00	6.0	0.00	6.0	0.00	9.0	0.00	8.0	0.00
Feature Type																						
riffle, run, or pool		ool	_	on left descr		ool (0 depth) an		ool n right descend		ool		ool wetted width		ool	po	ol	p	ool	pc	ol	po	ol

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

0.75 MAXIMUM

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

0.20 MEDIAN

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as ≥ 1) pents to be taken to the nearest 0.01 meter.

AΠ	measurements	to	be	taken	to	tne	nearest	0.01	mete

Signed:	Aaron Ball	Date:	10/12/07

WBID#	1437
Site #	2

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

,								
Date & Time:		10/12/07	11:20	Site Location	Site Location Description (e.g. road crossing):			
Personnel:		Aaron Ball, Drew D	odson		Hwy 32			
Current Weath	ner Cond	ditions: clear		Facility Nar	Facility Name: Shady Lane MHP			
Weather cond	litions fo	r the past 10 days:	0.47 inches	Permit Nun	nber:	MO 0125717		
Drought condi	itions?: I	No drought ☑ ; Pha	se I □ ; Phase	· II □ ; Phas	e III □ ; P	hase IV □ ; Ur	nknown 🗆	
Site Location	1:							
		(Universal Transver	se Mercator Pi	rojection, In	Meters			
Site 01	Easting	g (UTM X):	Northing (UTN	И Y):		Horizontal Ac	ccuracy:	Meters
	048696	§1	4165766					5.7
Site 11	Easting	g (UTM X):	Northing (UTN	 И Y):		Horizontal Ac	ccuracy:	Meters
	048708		4165966					6.0
	0 101 00	<u>, </u>	1100000					0.0
Photos:	1		1	1		1	T	
Photo ID#	F	Photo Purpose	Photo ID#:	ID#: Photo Pur		Photo ID#:	Photo Pur	pose
96	Upstrea	am	97	Downstrea	m			
Photo ID#	P	Photo Purpose	Photo ID#	Photo F	Purpose	Photo ID#	Photo Purpose	
Photo ID#	P	Photo Purpose	Photo ID#	Photo F	Purpose	Photo ID#	Photo Pur	pose
Uses Observ	e <u>d:</u>							
☐ Swimming	J	☐ Skin diving	☐ SCUBA di	iving	☐ Tubin	g	☐ Water Skiing	1
☐ Wind surfi	ng	☐ Kayaking	☐ Boating		□ Wadir	ng	☐ Rafting	
☐ Hunting		☐ Trapping	☐ Fishing		✓ None of the above		☐ Other:	
Describe:		FF U	<u> </u>		<u> </u>		1	

WBID#	1437
Site #	2

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Condition	ons:						
☐ City/County parks	□ playgrounds	☐ MDC conservati	on lands	☐ Urban	areas	☐ Rural	Residential
☐ Campgrounds	☐ State parks	□ National Forests	3	☐ Nature	trails	□ Stairs	/walkways
☐ Boating accesses		☐ No tresspass sig	gn	☐ Steep S	Slopes	□ Othe	r:
Comments:							
Evidence of Human L	Jse: ☐ Foot path/prints	□ Dock/platform		□ Campin	a Sitos	□ Rope	owinge
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharg	70	☐ Campin			ock watering
comments/other:							
Substrate:							
% Cobble 40	% Gravel 20	% Sand	% Silt		% Mud/0	Clay	% Bedrock 40
Aquatic Vegatation:							
2% algae floating							
Water Characteristics							
Odor:	☐ Sewage	☐ Musky	☐ Chem	ıcal		Vone	☐ Other:
Color:	☐ Clear	□Green	□ Gray			Milky	
Bottom Deposit:	☐ Sludge	☐ Solids		ediments		Vone	☐ Other:
Surface Deposit:	□ Oil	☐ Scum	☐ Foam		₫N	lone	☐ Other:

WBID # 1437 Site # 2

Organization: SES, Inc.

Field Data Sheets for Recreational Use Stream Survey:

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

	Distance from	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)
	access location (m)				
omments: (Please re	cord any additional comments	here.)			
ne					
	ou have completed all s	ections, checke	ed all applicable	e boxes, and that the	form is
	ou have completed all s	ections, checke	ed all applicable	e boxes, and that the	form is
	ou have completed all s	ections, checke	ed all applicable	e boxes, and that the	form is
	ou have completed all s	ections, check	ed all applicable	e boxes, and that the	form is
lease verify that your property of the complete.		ections, check		e boxes, and that the	form is

Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys Data Sheet C - Field Survey Results

																		Disso	lved Ox	ygen		
	Waterbo	ody ID:	1437			Site #:	2									Date:				Time:		
	Estimate	ed Chann	nel Incisi	on:	2.0	(m) (hei	ight betw	een low b	ank wid	th and wa	ater)								D.O. m			
						_										D	issolved	Oxygen:	: not working (mg/L)		(mg/L)	
		cation - Easting (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM) UTM X: 0486961 UTM Y: 4165766 +/- 5.7 (meters									(meters)		Dissolved Oxygen:(% sat)									
		UTM X: 0486961 UTM Y: 4165766 +/- 5.7 (meters) UTM X: 0487081 UTM Y: 4165966 +/- 6 (meters)							•		Dissolved Oxygen(/6 Sat)											
		a.				-								4.50			Specif	ic Cond:			(µS/cm)	
	_	e Stream ermne Le					4	(meters)	0	ength of 20x avera		_		150	(meters)	Wa	iter Tem	perature:			(°C)	
	(10 000	20		iteach)					(-		ge ou eur					,,,		perature			(0)	
	Fiel	d Staff:				Aaron E	Ball, Drev	v Dodson						•								
										Tra	nsect C	ross-Se	ction									
	0	1	0	02 03 04 05 06		03 04 05 06 07 0		0	08 09)9	10		11								
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance		Distance (m)		Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leit Dalik		-	-																-	-		
1	0.5	0.05	0.7					0.10	0.2		0.3		0.1	0.05				0.10	0.3	0.10		
2	1.0	0.05	1.4	0.30	0.6	0.10	0.8	0.25	0.4	0.10	0.6	0.05	0.2	0.05	1.2	0.30	0.4	0.10	0.6	0.20	1.2	0.20
3	1.5	0.05	2.1	0.40	0.9	0.15	1.2	0.20	0.6	0.10	0.9	0.00	0.3	0.05	1.8	0.35	0.6	0.20	0.9	0.20	1.8	0.20
4	2.0	0.00	2.8	0.45	1.2	0.30	1.6	0.20	0.8	0.10	1.2	0.00	0.4	0.05	2.4	0.45	0.8	0.20	1.2	0.15	2.4	0.20
5	2.5	0.05	3.5	0.70	1.5	0.30	2.0	0.20	1.0	0.10	1.5	0.00	0.5	0.05	3.0	0.50	1	0.20	1.5	0.15	3.0	0.15
6	3.0	0.05	4.2	0.70	1.8	0.30	2.4	0.20	1.2	0.00	1.8	0.05	0.6	0.05	3.6	0.50	1.2	0.15	1.8	0.10	3.6	0.20
7	3.5		4.9										0.7	0.05	4.2			0.10	2.1	0.15	4.2	
, e	4.0		5.6															0.10	2.4		4.8	
0																						
9	4.5		6.3								2.7		0.9		5.4			0.05	2.7	0.15	5.4	
ight Bank	5.0	0.00	7.0	0.00	3.0	0.00	4.0	0.00	2.0	0.00	3.0	0.00	1.0	0.00	6.0	0.00	2	0.00	3.0	0.00	6.0	0.00
eature Type		ool		ool		ool		ool		ool		ool	_	ool	ро	ol.		ool	po	vo1	po	.01
iffle, run, or pool	рс	JUI	pc	JUI	bc	JUI	1 p	JUI	pc pc	JUI	pc	JUI	Р	UUI	ро	UI	pe pe	JUI	ро	UI	ро	UI

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

0.70 MAXIMUM

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

0.15 MEDIAN

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as \geq 1)

All measurements to be taken to the nearest 0.01 meter.

7511441 2411 2411	Signed:	Aaron Ball	Date:	10/12/07
-------------------	---------	------------	-------	----------

WBID#	1437
Site #	3

Field Data Sheets For Recreatiuonal Use Stream Surveys

Data Sheet B-Site Characterization

Date & Time:		10/12/07	12:15	Site Location	on Descrip	tion (e.g. road	crossing):			
Personnel:		Aaron Ball, Drew D	odson		CR 65-160					
Current Weatl	ner Con	ditions: clear		Facility Nar	me:	Shady Lane I				
Weather cond	itions fo	or the past 10 days:	0.47 inches	Permit Nun	nber:	MO 0125717				
Drought cond	itions?: I	No drought ☑ ; Pha	se I □ ; Phase	II □ ; Phas	e III □ ; Pl	nase IV □ ; Ur	nknown 🗆			
Site Location	1.									
		(Universal Transver	se Mercator Pr	rojection, In	Meters					
Site 01	Easting	g (UTM X):	Northing (UTN	И Y):		Horizontal Ac	ccuracy:	Meters		
	048696	 31	4167053					4.5		
Site 11	Easting	g (UTM X):	Northing (UTN	М Y):		Horizontal Ac	ccuracy:	Meters		
	048690)4	4166865				-	4.5		
	0 10000	/	1100000					1.0		
Photos:	 		 			1	T			
Photo ID#	F	Photo Purpose	Photo ID#:	Photo F	Purpose	Photo ID#:	Photo Pu	ırpose		
98	Downst	tream	99	Upstream						
Photo ID#	F	Photo Purpose	Photo ID#	Photo Purpose		Photo ID#	Photo Pu	ırpose		
Photo ID#	F	Photo Purpose	Photo ID#	Photo F	Purpose Photo ID#		Photo Pu	ırpose		
Uses Observ	ed:									
☐ Swimming		☐ Skin diving	☐ SCUBA di	iving	☐ Tubin	g	☐ Water Skiir	ng		
☐ Wind surfi	ng	☐ Kayaking	☐ Boating		□ Wadir	ng	☐ Rafting			
☐ Hunting		☐ Trapping	☐ Fishing		✓ None	of the above	☐ Other:			
Describe:		, ,, ,	<u> </u>		ı		•	, 		

WBID#	1437
Site #	3

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B- Site Characterization (Continued)

Surrounding Conditi	ons:					
☐ City/County parks	☐ playgrounds	☐ MDC conservatio	n lands	☐ Urban areas	☐ Rural Resident	tial
☐ Campgrounds	☐ State parks	☐ National Forests		☐ Nature trails	☐ Stairs/walkway	
☐ Boating accesses	☐ Fence	☐ No tresspass sign	1	☐ Steep Slopes	☐ Other:	
Comments: none						
Evidence of Human						
☐ Roads	☐ Foot path/prints	☐ Dock/platform		☐ Camping Sites	☐ Rope swings	
☐ RV/ATV Tracks	☐ Fire pit/ring	☐ NPDES Discharge	9	☐ Fishing Tackle	☐ Livestock wate	ring
Substrate:						
% Cobble	% Gravel 30	% Sand	% Silt	% Mud/0	Clay % Bed 70	
Aquatic Vegatation:						
Less than 2% green a	gae coverage					
Water Characteristic	s:					
Odor:	☐ Sewage	☐ Musky	□ Chem		None ☐ Oth	er:
Color:			□ Gray		Milky ☐ Oth	-
Bottom Deposit:	☐ Sludge				None ☐ Oth	
Surface Deposit:	□ Oil	☐ Scum	□ Foam	✓N	lone □ Oth	er:
						·

WBID # 1437 Site # 3

Organization: SES, Inc.

Field Data Sheets for Recreational Use Stream Survey:

Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)
omments: (Please red one	cord any additional comments	here.)			
ne					
lease verify that yo	ou have completed all s	ections, checke	ed all applicable	e boxes, and that the	form is
	ou have completed all s	ections, checke	ed all applicable	e boxes, and that the	form is
lease verify that yo		ections, checke		e boxes, and that the	form is

Position: Field Team Leader

Field Data Sheets for Recreational Use Stream Surveys **Data Sheet C - Field Survey Results**

																		Disso	Ived Ox	vygen		
	Waterbo	ody ID:	1437		_	Site #:	3		-		Lindley	Creek				Г.				m'		
	Estimate	ed Chann	nel Incisi	on:	2.0	(m) (hei	ght hetw	een low b	ank wid	th and wa	ater)					Date:			D.O. m	Time:		
	Limited	ou Chain	iei ilieisi	011.		(III) (IICI	Sitt oct	con low o	uni wia	in una w						D	issolved	Oxygen:			(mg/L)	
				ing (UTM X), Northing (UTM Y), Horizontal Accuracy Estimate (EPE / PDOP / FOM)																		
			M X: 0486961 UTM Y: 4167053 +/- 4.5 (meters) M X: 0486904 UTM Y: 4166865 +/- 4.5 (meters)										D	issolved	Oxygen:			(% sat)				
	11	OTWIX	·	040090-	<u> </u>	•	O I WI I.		410000.	<i>J</i>	•	1/-	7.5	(incicis)			Speci	fic Cond:			(μS/cm)	
			Width:				4	(meters)	-		Survey S			150	(meters)							
	(To dete	ermne Le	ength of F	Reach)					(2	20x avera	ige strear	n width)				Wa	ter Tem	perature:			(°C)	
	Fiel	d Staff:				Aaron E	Ball, Drev	w Dodson														
												~										
			ı		ı				l	Tra	nsect C	ross-Se	ction									
	01 02 03 04						04)5		6		07	0	8		09		0	11	1	
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.3	0.10	0.1	0.05	0.9	0.15	0.7	0.05	1.0	0.20	0.2	0.05	1.1	0.30	1.2	0.30	0.4	0.05	0.3	0.10	0.5	0.15
2	0.6	0.20	0.2	0.05	1.8	0.40	1.4	0.05	2.0	0.40	0.4	0.05	2.2	0.45	2.4	0.45	0.8	0.05	0.6	0.10	1.0	0.10
3	0.9	0.20					2.1	0.20							3.6			0.05	0.9		1.5	0.20
4	1.2	0.20					2.8						4.4		4.8			0.05	1.2	0.20	2.0	0.10
-																						
5	1.5	0.20	0.5				3.5						5.5		6.0			0.05	1.5	0.20	2.5	0.00
6	1.8	0.15	0.6	0.05	5.4	0.70	4.2	0.50	6.0	0.85	1.2	0.05	6.6	0.40	7.2	0.50	2.4	0.05	1.8	0.20	3.0	0.10
7	2.1	0.20	0.7	0.05	6.3	0.65	4.9	0.50	7.0	0.55	1.4	0.05	7.7	0.50	8.4	0.50	2.8	0.05	2.1	0.10	3.5	0.10
8	2.4	0.10	0.8	0.05	7.2	0.55	5.6	0.45	8.0	0.30	1.6	0.05	8.8	0.30	9.6	0.40	3.2	0.05	2.4	0.15	4.0	0.05
9	2.7	0.05	0.9	0.05	8.1	0.30	6.3	0.40	9.0	0.20	1.8	0.05	9.9	0.30	10.8	0.40	3.6	0.05	2.7	0.10	4.5	0.05
Right Bank	3.0	0.00	1.0	0.00	9.0	0.00	7.0	0.00	10.0	0.00	2.0	0.00	11.0	0.00	12.0	0.00	4	0.00	3.0	0.00	5.0	0.00
Feature Type	2.0	00		00		2.00		2.00	23.0	2.00		2.00		2.00	-2.0	2.00		2,00	2.0	2.00	0	
riffle, run, or pool	po	ool	rif	fle	pc	ool	p ₍	ool	ро	ool	rif	fle	р	ool	po	ol	р	ool	рс	ol	po	ol
Notes:	Transects wi	ill be measur	ed beginning	on left desce	ending bank	(0 depth) an	d finishing or	n right descend	ling bank (0	depth). This	width is the	wetted width										

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

0.90 MAXIMUM

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

0.20 MEDIAN

Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1) All measurements to be taken to the nearest 0.01 meter.

> Aaron Ball Signed: Date: 10/12/07

WBID# 1437



Site# 1 Photo ID# 94, Upstream



Site# 2 Photo ID# 96, Upstream



Site# 1 Photo ID# 95, Downstream



Site# 2 Photo ID# 97, Downstream

WBID# 1437



Site# 3 Photo ID# 98, Downstream



Site# 3 Photo ID# 99, Upstream